



BRUHATH BANGALORE MAHANAGARA PALIKE

DASARHALLI ZONE

DIVISION:- DASARAHALLI DIVISION

SUB DIVISION:- SHETTYHALLI SUB DIVISION

NAME OF WORK:- Improvements to Roads and drains at kala road 7th cross and surrounding area roads K. G. Hally in ward No 12, Shettyhalli Sub Division.

Estimated Cost:- 100.00 Lakhs

P code- 3442

Job No:- 012-19-000016

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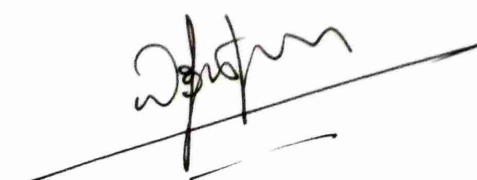
Estimated Cost :100.00Lakhs		P code- 3442				Job No : 012-19-000016		
Sl. No.	Description of work	Measurements				Qty	Rate	Amount
		No	L	B	D			
1	KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (PWD SR 2018-19, Page No. 142 / Item No. 19.2)							
	For drain 7th cross	1	110.00	1.20	1.00	132.00		
		1	105.00	1.20	1.00	126.00		
	8th cross	1	135.00	1.20	1.00	162.00		
		1	125.00	1.20	1.00	150.00		
	Main Road	2	860.00	0.60	0.60	619.20		
	9th cross	2	148.00	0.45	0.60	79.92		
	10th Cross	2	150.00	0.45	0.60	81.00		
	11th cross	1	172.00	0.45	0.60	46.44		
	2nd cross	2	64.00	0.45	0.60	34.56		
	3rd cross	1	20.00	0.45	0.60	5.40		
	11th Main	2	460.00	0.45	0.60	248.40		
		1	975.00	0.45	0.60	263.25		
	16th cross	2	108.00	0.45	0.60	58.32		
	17th cross	2	117.00	0.45	0.60	63.18		
	19th cross	2	117.00	0.45	0.60	63.18		
	20th cross	2	117.00	0.45	0.60	63.18		
	21st cross	2	117.00	0.45	0.60	63.18		
	22nd cross	2	117.00	0.45	0.60	63.18		
	Last connected Road	2	126.00	0.45	0.60	68.04		
					Cum	2390.43	211.79	506264.00
	Basic Rate	130.00						
	add loading & unloading	57.00						
	lead for 5 km=5*1.28*2.0	12.80						
	Total	199.80						
	add AW 6%	11.99						
	Total	211.79						



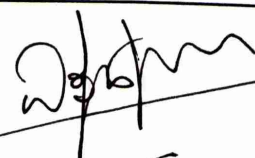
2	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime/Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20 (PWD SR 2018-19 Page No.222 , Item No. 27.18)							
	Dismantling Existing fully damaged slab drain	1	110.00	0.60	0.60	39.60		
		1	105.00	0.60	0.60	37.80		
		1	135.00	0.60	0.60	48.60		
		1	125.00	0.60	0.60	45.00		
					Cum	171.00	590.42	100962.00
	Basic rate	557.00						
	Add AW 6%	33.42						
	Total	590.42						
3	KSRRB M2100 -10. Plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46 cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scafofolding and centering complete as per specifications MORTH Specification No. 2100 (PWD SR 2018-19 Page No.222 , Item No. 27.18)							
	For Drain	1	110.00	1.20	0.15	19.80		
		1	105.00	1.20	0.15	18.90		
		1	135.00	1.20	0.15	24.30		
		1	125.00	1.20	0.15	22.50		
					Cum	85.50	5421.90	463572.00
	Basic rate	5115.00						
	Add AW 6%	306.90						
	Total	5421.90						
4	Providing laying palin / reinforced cement concrete for side Drain using M20 nominal mix concrete with OPC at 300 kgs with 20 mm and down size granite metal coarse aggregates at 0.69 cum fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., completet excluding cost of steel ae per MMORTH specification No 1500, 1700, 2200. including cost of materials, labour, HOM completet as per specifications. wall and bottom thickness 15 cms (PWD SR 2018-19 Item No 37.59.2 Page No 271)							
	For Drain Bed	1	110.00	1.10	0.15	18.15		
		1	105.00	1.10	0.15	17.33		
		1	135.00	1.10	0.15	22.28		
		1	135.00	1.10	0.15	22.28		
	side wall	2	110.00	0.15	0.65	21.45		
		2	105.00	0.15	0.65	20.48		
		2	135.00	0.15	0.65	26.33		

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		2	135.00	0.15	0.65	26.33		
					Cum	174.60	7070.20	1234457.00
	Basic rate	6670.00						
	Add AW 6%	400.20						
	Total	7070.20						
5	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.1600 & 2200 [PWD SR 2018-19, Page No.229 - Item No.28.8.2]							
	For drain	Qty=lt 4(a)x55 kg				9.60		
						9.60		
					MT	9.60	72316.38	694454.00
	Basic rate	68223.00						
	Add AW 6%	4093.38						
	Total	72316.38						
6	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone							
		1	110.00	0.90		99.00		
		1	105.00	0.90		94.50		
		1	135.00	0.90		121.50		
		1	125.00	0.90		112.50		
	Missing slabs					170.00		
					Sqm	597.50	1651.00	986473.00
	Approved DATA RATE	1651.00						
7	KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (PWD SR 2018-19, Page No. 143 / Item No. 19.2)							
	Raghavendra Layout	5	202.00	0.75	1.60	1212.00		
	Cross Roads	2	58.00	0.75	1.60	139.20		
	Cross Roads	3	47.00	0.75	1.60	169.20		
	Cross Roads	1	38.00	0.75	1.60	45.60		
	water supply lines	5	202.00	0.60	1.20	727.20		
		2	60.00	0.60	1.20	86.40		
		3	47.00	0.60	1.20	101.52		
		1	38.00	0.60	1.20	27.36		
		4	95.00	0.60	1.20	273.60		
		2	240.00	0.60	1.20	345.60		



		2	225.00	0.60	1.20	324.00		
		3	145.00	0.60	1.20	313.20		
					Cum	3764.88	195.98	737841.18
	Basic rate	179.00						
	Add AW 6%	16.98						
	Total	195.98						
8	KSRB 12-1.4 : Providing and laying in position to required level or slope 230mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5 / 12.7 (PWD SR 2018-19, Page No. 72 Item No.11.4)							
	Raghavendra Layout	5	202.00			1010.00		
	Cross Roads	2	60.00			120.00		
	Cross Roads	3	47.00			141.00		
	Cross Roads	1	38.00			38.00		
					Rmtr.	1309.00	568.16	743721.44
	Basic rate	536.00						
	Add AW 6%	32.16						
	Total	568.16						
9	KSRB 12-5.2 : Constructing brick masonry circular type manhole 0.91m internal dia at bottom, 1.67m deep and 0.56m dia at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 50 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming IS :12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of mechanisries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid seperately) Specification No. KBS 12.4 (PWD SR 2018-19, Page No. 74 Item No 11.38)							
		30				30		
					No.	30	25741.04	772231.20
	Basic rate	24284.00						
	Add AW 6%	1457.04						
	Total	25741.04						



10 KSRB13-8 ; Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.15.1 /13.9 for internal water supply connection KSRB 13-8.6 (PWD SR 2018-19, P.NO - 96, Item No - 13.70.2)

Raghavendra Layout

5

202.00

1010.00

Cross Roads

2

60.00

120.00

Cross Roads

3

47.00

141.00

Cross Roads

1

38.00

38.00

4

95.00

380.00

2

240.00

480.00

2

225.00

450.00

3

145.00

435.00

Rmtr

3054.00

305.91

934249.14

Basic rate

297.00

Add AW 6%

8.91

Total

305.91

11 Removing and resetting of foot path slab (PWD SR 2018-19, Page No. 270 Item No 37.56)

Main road

2

860.00

0.90

1548.00

9th cross

2

148.00

0.90

266.40

10th Cross

1

150.00

0.90

135.00

11th cross

2

172.00

0.90

309.60

2nd cross (side walls)

1

64.00

0.90

57.60

3rd cross (side walls)

2

20.00

0.90

36.00

11th Main

2

310.00

0.90

558.00

16th cross

1

108.00

0.90

97.20

17th cross

2

117.00

0.90

210.60

19th cross

1

117.00

0.90

105.30

20th cross

2

117.00

0.90

210.60

21st cross

2

117.00

0.90

210.60

22nd cross (side wall)

2

117.00

0.90

210.60

Last connected Road

2

161.00

0.90

289.80

Sqm

4245.30

208.82

886503.55

Basic rate

197.00

Add AW 6%

11.82

Total

208.82

12 KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.(PWD SR 2018-19, Page No. 7, Item No.2.11)

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EWE Qty. taken as refilling qty item					3764.88		
107					3764.88	128.26	482883.51
Basic rate	121.00						
Add AW 6%	7.26						
Total	128.26						
						Sub Total	8543612.02
13						Add GST @ 12 %	1025233.00
14						Add KRIDL chrges 4.5%	430598.03
15						Add for unforeseen charges and rounding off	556.96
						TOTAL	10000000.00
(Rupees one hundred Lakhs Only)							

CERTIFICATE

- 1 Certified that The work spot has been inspected by me and the work is necessary & site condition
- 2 Certified that the work is not split up
- 3 Certified that the estimate is based on PW,P&IWTB Bangalore Circle SR of 2018-19
- 4 Certified that Adequate & necessary provisions have made in the estimate.
- 5 Certified that the above area comes under BBMP limit
- 6 This Work is not included in any other work taken up

Asst Engineer
Ward-12
BBMP

Assistant Executive Engineer
Shettyhalli Sub Division
BBMP

Executive Engineer
Dasarahalli Division
BBMP

ನಂ. EE/DZ/AS/165/2019-20 ದಿನಾಂಕ : 29/08/2019
ರೂ. 100.00 Lakhs/- (One hundred Lakhs only)
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಶಾಖಾಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ. EE/DZ/TS/SS/2019-20 ದಿನಾಂಕ : 21/09/2019
ರೂ. 100.00 Lakhs/- (One Hundred Lakhs only)
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ. 21/9/19
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು